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25X1C SUBJECT Baku-Akhmedly Radio Plant

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THIS IS UNEVALUATED INFORMATION 25X1

1. The Baku-Akhmedly (40°23'N/49°42'E) Radio Plant was in the eastern outskirts of Baku, southeast of a petroleum refinery. [redacted] the construction of the plant started in 1947. The entire equipment of the plant came from the Seibt Radio Plant in Zittau-Olbersdorf (O 51/F 97). Officials of a Moscow radio plant supervised the construction of this plant. The construction plan closely followed the design of the Seibt Radio Plant, on which numerous documents were available. These documents were translated by the Soviets and used in the construction of the plant. The plant started production in late 1948. Full-scale production was scheduled to be achieved by 1 April 1949, after the completion of the construction work. \*
2. The plant consisted of six workshops, each of which covered an area of 900 square meters, and an administration building which, after its completion, will also house the technical designing office and the laboratory. The machines in the workshops were widely spaced. [redacted] various lathes, automatic machine tools, numerous punches ranging from 10 to 20 tons, and plate shears. Electric power was supplied through an underground cable from a power plant located on the shore of the Caspian Sea. [redacted] the capacity of the transformer station at 1,000 kw. The plant had its own automobile park. Spur tracks were scheduled to be added but did not exist as of January 1949.
3. The Baku-Akhmedly Plant is only a production plant. The development of equipment is said to be done in a central radio-technical institute in Leningrad which distributes all technical designs, specifications, and model equipment to the individual plants. The Baku-Akhmedly Plant produced only the Baku type radio sets which were equipped with the following tubes: 6A8, 6A10, 6K7, 6G7, 6L7 and rectifier tube 4Z6 or 5Z4. Most of the first radio sets showed small technical defects after a short time of operation. [redacted] these defects will gradually be eliminated. In January 1949, the production amounted to 500 to 600 radio sets. A monthly production of 2,000 sets was planned to be reached by 1 April 1949. The sets were assembled on tables (Tischmontage). There were no assembly lines. The production methods were based on German plans. About 30 carloads of raw materials including a lot of brass, bar iron, and standard sheet iron were seized in Zittau and shipped to Baku. There were frequent delays in the supply of thin sheets. [redacted] Soviet workers that the tubes allegedly came from a tube plant in Voronezh (39°10'E/51°39'N). \*\*

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4. In January 1949, the plant had 700 employees including 200 to 300 convicts. Work was done in one shift. All the skilled workers, about 60 percent of whom were women, came from Baku. An apprentices' workshop was under construction. Four Germans were employed in the plant until January 1949.

5. Militia wearing blue uniforms guarded the plant.

\* [ ] Comment. For location and layout sketch, see Annex. The first information regarding a radio plant in Baku was obtained from Pravda of [ ] which stated that Plant No 1 in Baku turned out a new 8-tube radio set known as Baku. According to Izvestiya of 21 July 1949, the new radio factory in Baku produced a new 6-tube receiver for wave lengths ranging from 16 to 2,000 meters. The information [ ] probably refers to this new radio plant. However, it may only be a reconstructed or renovated plant since the buildings indicated [ ] were already known in 1939 or 1940, from previous records. The location sketch of the Annex is based on these previous records. It is not known that a radio plant existed in Baku during the war.

\*\* [ ] Comment. This tube plant is probably the Elektrosignal Radio Plant in Voronezh.

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Attachment 1

Legend:Location sketch

- A. Baku-Akhmedly Radio Zavod. The plant covered an area of 275 x 230 meters.
- B. Soviet convict camp.
- C. "Tsars" Automobile Repair Zavod.
- D. Textile plant.
- E. Power station.
- F. Planned housing development for employees of the radio plant.
- G. Petroleum refinery.

Layout sketch

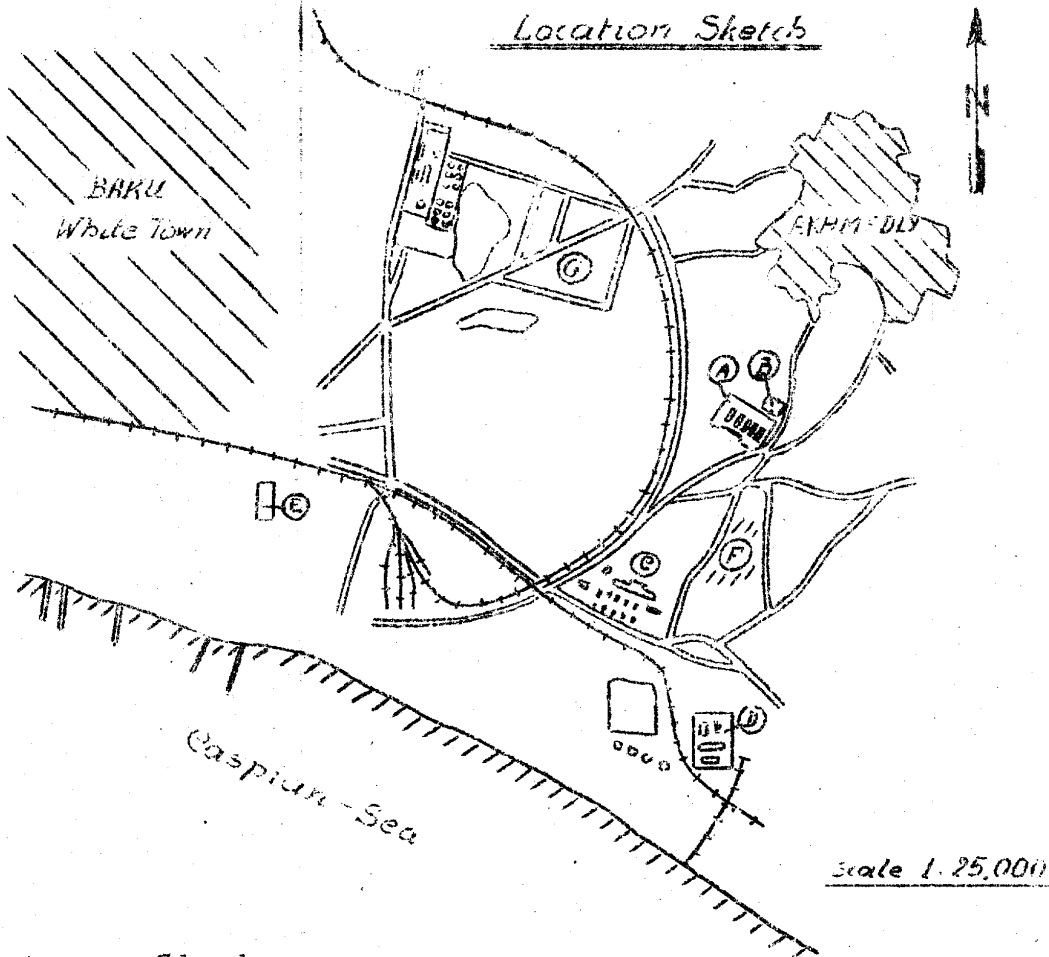
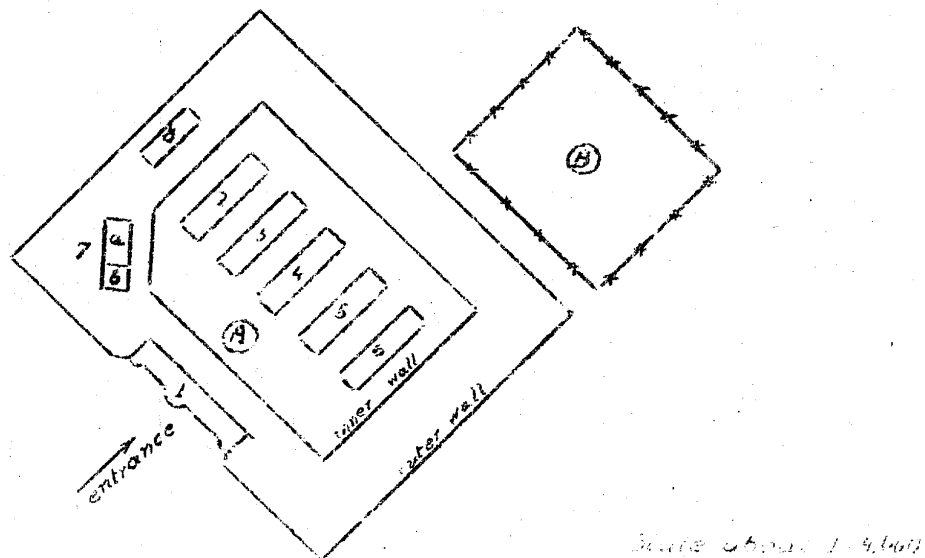
## A. Radio Plant

- 1. Administration building, about 100 x 120 meters, still under construction. Three stories were completed as of January 1949 and were occupied by the administrative personnel and the shipping department. After completion, the building will also house the laboratory and technical designing office. The building had a basement.
- 2. Warehouse. Raw materials and component parts from the Seibt Radio Plant were stored here.
- 3. Workshop for the construction of tools and fixtures and first aid station.
- 4. Machine shops including a lathe shop, drilling shop and punching shop. Until late 1948, the finishing department was also in this building. In January 1949, it was transferred to workshop buildings Nos 5 and 6.
- 5 and 6. Finishing workshops with assembly and test departments. The installation of equipment in these shops started in January 1949. The warehouse and workshop buildings 3, 4, 5 and 6 were all white limestone structures. They were each about 60 x 15 meters and were 6 to 8 meters high.
- 7a. Laboratory.
- 7b. Three-story annex building of the technical designing office. The laboratory 7a and the technical designing office 7b are to be transferred to the administration building and the administrative personnel will move into building 7.
- 8. Garages.
- B. Soviet convict camp.

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BAKU-AKHMETDY, Radio PlantLocation SketchLayout Sketch

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